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ETHSWCTL Commands

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Purpose

Document the ethswctl library API and user commands.

ETHSWCTL command set

1.1 Set/Get Hardware Switching Status

```
#ethswctl {-c/--command} hw-switching [{-o/--operation} <enable/disable>]
```

1.2 Dump a subset of the MIB counters of a given port

```
#ethswctl {-c/--command} mibdump {-p/--port} <port_number>
```

1.3 Dump all the MIB counters of a given port

```
#ethswctl {-c/--command} mibdump {-p/--port} <port_number> {-a/--all}
```

1.4 Dump the registers of a given switch page

```
#ethswctl {-c/--command} pagedump {-P/--page} <page_number>
```

1.5 Show usage

```
#ethswctl {-u/--usage}
```

OR

```
#ethswctl
```

1.6 Show help

```
#ethswctl {-h/--help}
```



1.7 Show version

#ethswctl {-v/--version}

ETHSWCTL Library API

```
/* open the socket to enet driver */
/* Returns: 0 on success; a negative value on failure */
int ethswctl_init(void);

/* close the socket */
void ethswctl_close(void);

/* Enable/Disable Hardware Switching */
/* Returns: 0 on success; a negative value on failure */
int ethswctl_set_switching_status(int status);

/* Get Hardware Switching Enable/Disable Status */
/* Returns status(0=Disable;1=Enable) on success; negative value on failure */
int ethswctl_get_switching_status(void);

/* dumps the registers of a given page */
/* Returns: 0 on success; a negative value on failure */
int ethswctl_page_dump(int page);

/* dumps the mib counters of a given port */
/* Returns: 0 on success; a negative value on failure */
int ethswctl_mib_dump(char *ifname, unsigned int gem_map);
```